

## TG585 v7

Wireless Multi-User ADSL2+ Gateway



*On January 27th 2010, Thomson changed its company name to Technicolor. All product data sheets, including those for products which still carry the Thomson name, now reflect our new Technicolor brand.*

TELECOM  
DATA

### Flexible and Professional Router

The Technicolor TG585 v7 is an 802.11b/g wireless LAN access point with integrated ADSL2+. Featuring an integrated 10/100Mb/s 4-port switch, the Technicolor TG585 v7 offers seamless connection of wired and wireless worlds from anywhere in the home.

The Technicolor TG585 v7 lets you share files, printers, and a single broadband DSL Internet connection with unmatched performance and security, whilst preserving the flexibility and features of a fully fledged professional routing engine. The integrated modem supports ADSL, ADSL2, and ADSL2+.

With a simultaneous operation of 802.11b and 802.11g, speed, security and performance is guaranteed. When using 802.11g components, you can transfer data at up to 54Mb/s, and still connect to existing 802.11b products.

### Features at a Glance

- Integrated ADSL2+ modem
- 4 Fast Ethernet ports to connect multiple devices, such as PCs, laptops, set top boxes...
- Wireless networking on board: 802.11b/g
- Wi-Fi Protected Setup
- Remotely Manageable: TR-069, TR-064, TR-098, TR-111
- Built-in firewall
- Easy to install, easy to manage



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### Home Networking with Easy Installation

Like all Technicolor gateways, the Technicolor TG585 v7 interoperates seamlessly with the Technicolor Gateway Setup Wizard, making the setup of a wireless home network as easy as clicking a button. No more helpdesk calls, just click and you are ready to go. The Technicolor Gateway Setup Wizard performs comprehensive system checks before and during the installation and setup process, and validates all user inputs to guarantee the end user a secured (wireless) connection to the Internet.

### Easily Manageable

The Technicolor TG585 v7 is completely designed according to the TR-069 Data Model, through which the device can be configured remotely.

TR-037 and TR-062 enable auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.

### Security

The Technicolor firewall guarantees users the ultimate level in network security. Through integration with Hyper-NAT, the firewall leverages all the ALGs provided in the Hyper-NAT context to minimize undesired service impact. The firewall provides stateful inspection of packets, and an integrated Denial of Service (DoS) engine monitors a wide range of attack patterns, and logs potential security breaches to a local cache or remote server.

The Technicolor TG585 v7 also supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA) and a Wi-Fi Protected Setup (WPS) button. This allows users to communicate and access data with efficient link quality and the highest level of network security.

### Services

The Technicolor TG585 v7 supports a number of features, which guarantee efficient and robust delivery of multimedia services from the core of the network right to the end-user.

- Diffserv IP QoS
- Smart DNS and DHCP support smooth introduction of media delivery nodes like Set Top Boxes, VoIP phones, etc.

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## Wireless Multi-User ADSL2+ Gateway

## Technical Specifications

### Hardware Specifications

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- Interfaces WAN RJ11 DSL line port for ADSL/POTS and ADSL/ISDN
- Interfaces LAN 4-port autosensing 10/100Base-T auto-MDI/MDI-X Ethernet LAN switch  
Wi-Fi IEEE 802.11b/g on board
- Housing standing and wall-mountable design
- Dimensions 35 x 181 x 138 mm (1.4 x 7.1 x 5.4 in.)
- Temperature 0-40 C (32-105F)
- Humidity 20% to 80%
- AC Voltage 100-240VAC (switched mode power supply)

### DSL Modem Specifications

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- ADSL ANSI T1.413 Issue 2,  
ITU-T G.992.1 Annex A, B (G.dmt)  
ITU-T G.992.2 Annex A, B (G.lite)  
ITU-T G.994.1 (G.hs)  
Maximum Rate: 8 Mbps for downstream and 1 Mbps for upstream
- ADSL2 ITU-T G.992.3 Annex A, B, L, M (G.dmt.bis),  
ITU-T G.992.4 Annex A, B, L, M (G.lite.bis)  
Maximum Rate: 12 Mbps for downstream and 1.5 Mbps for upstream
- ADSL2+ ITU-T G.992.5 Annex A, B  
Maximum Rate: 24 Mbps for downstream and 3 Mbps upstream

### Wireless Performance

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- Wi-Fi IEEE 802.11b/g access point
- Wi-Fi CERTIFIED®
- WPA™-Personal / WPA2™-Personal, WEP™
- Wi-Fi Multimedia (WMM®)
- Wi-Fi Protected Setup (WPS™)
- Up to 4 virtual SSID APs support
- Security and service segregation per SSID
- Dynamic rates switching for optimal wireless rates
- Manual/auto radio channel support

### Security

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- ICSA grade security service
- Embedded Firewall
- SSL, SSH

### Management

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- User Friendly GUI via HTTP and HTTPS
- GUI-embedded Easy Setup wizard
- PC (wireless) Technicolor Gateway Setup Wizard
- On demand Remote GUI assistance (helpdesk)
- TR-069 CPE WAN Management Protocol
- TR-098 Internet Gateway Device Management
- TR-111 Home Network Device Management
- TR-064 LAN Side Configuration
- Command Line Interface (CLI) via Telnet
- Eventlog
- SW upgrade From remote management station  
Through Easy SW upgrade Wizard

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## Technical Specifications

### Enabling Technologies

- Quality of Service ATM, Ethernet, Wi-Fi, IP
- Bridging/Relay Ethernet / PPPoE
- Relay PPPoX to PPTP relay  
PPPoX to DHCP relay
- Routing PPP over Ethernet (PPPoE)  
PPP over ATM (PPPoA)  
Classical IP (CIP)  
Ethernet over ATM (ETHoA)
- Connection sharing with Hyper-NAT
- Stateful Firewall
- UPnP™ support: enables game technologies (PS2, XBox live, DirectPlay, ...) and conferencing functions of Microsoft Messenger
- DHCP and DNS server, client and relay
- HTTP redirect for event notification
- NAT/PAT/Hyper-NAT support

### Content of the Box

- Wireless Multi-User ADSL2+ Gateway
- Power Adapter
- Ethernet (RJ45) and telephone (RJ11) cable
- Setup CD and leaflet
- Jig, screws and plugs for wall mounting
- Foot and inlay (optional)
- Filter(s) or splitter(s) (optional)



Technicolor TG585 v7 back panel

Technicolor Professional Services are available to address your demands for qualified technical support & warranty, product maintenance, access to training courses and tailor-made solutions to specific product evolution. For more information, please ask your usual contact person.

#### TECHNICOLOR WORLDWIDE HEADQUARTERS

1, rue Jeanne d'Arc  
92443 Issy-les-Moulineaux France  
Tél. : 33(0)1 41 86 50 00 - Fax : 33 (0) 1 41 86 58 59

[www.technicolor.com](http://www.technicolor.com)

#### SALES CONTACT

For more information please get in touch with your usual sales representative or use the following email:

[telcosales@technicolor.com](mailto:telcosales@technicolor.com)

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